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नई दिल्ली, शनिवार, अगस्त 3, 1985 (श्रावण 12, 1907)

No. 31]

NEW DELHI, SATURDAY, AUGUST 3, 1985 (SRAVANA 12, 1907)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके [Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग 111-खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस [Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 3rd August 1985

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Telegraphic address "PATENTOFIC".

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1-177GI/85

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APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD. CALCUTTA-17

The dated shown in crescent brackets are the dates claimed under Section 135, of the Act

27th June, 1985

- 483 Cal 85. Siemens Aktiengesellschaft. A circuit for operating photothyristors in a thyristor circuit.
- 484|Cal|85. Siemens Aktiengesellschaft. Circuit arrangement for monitoring a thyristor.

28th June, 1985

- 485 | Cal | 85. Betz International, Inc. Copper corrosion inhibitors and their use in cooling water systems.
- 486 Call 85. Degussa Akiengesellschaft. Vulcanizable 2-sec. amino-4, 6-dimercapto-s-triazine-containing halogen rubber mixtures.
- 487 Cal 85. Beloit Corporation Automatic Roll Change.
- 488|Cal|85. Hollandse Signaalapparaten B. V. Radar system operating in two frequency bands.
- 489|Cal|85. Hoechst Aktiengesellschaft. Process for preparing low-salt liquid aqueous preparations of fiber-reactive dvestuffs.

1st July, 1985

- 490|Cal|85. Srimati Sipra Deb. Adjustable Tune Changing Guitar.
- 491 Cal 85. Georg Fischer Aktiengesellschaft. Process for the production of cast iron with spheroidal graphite.
- 492|Cal|85. Texaco Development Corporation. Coal gasification process.
- 493 Cal 85. Krouss-Maffei Aktiengesellschaft. Method of and apparatus for drying in particular finely granular solids particles (6th June 1985) U.K.

2nd July, 1985

- 494 Cal 85. Atkemix, Inc. Alkoxylated fatty alcohols as axillary bud inhibitors on tobacco plants.
- 495|Cal|85. Van Meegen Constructions Ptv. Ltd. A piston-operated machine.
- 496[Cal]85. Siemens Aktiengesellschaft. A semiconductor power switch comprising a thyristor.

3rd July, 1985

- 497[Cal]85. Johnson & Johnson. Connective tissue prosthesis. (16th July 1984) United Kingdom.
- 498|Cal|85. Ethicon, Inc. "W" Shaped Staples and Slotted Receivers.
- APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, IHRD FLOOR, KAROL BAGH, NEW DELHI-5

10th June, 1985

- 458 Del 85. Institut Mekhaniki Metallopolimernykh Sistem Akademi Nauk Belorusskoi SSR, "Self Unbricating antifriction composition".
- 459 Del 85. Bendix Ltd., "Fluid filters". (Convention date June 22, 1984) (U.K.).
- 460 Del 85. Gennady Yakovlevich Potemkin, "Reamet",
- 461 Del 85. Ciba-Geigy AG., "Process for producing a-chloroacetoacetic acid monomethylamide".
- 462 Del 85. Bansilat Safaya, "Improvements in or relating to castor wheels for trolleys"

11th June, 1985

- 463 Del 85 National Research Development Corporation, "Whole crop haivesting or separating apparatus". (Convention date June 20, 1984) (U.K.).
- 464 Del 85. Kennametal Inc., "Insert carridge and tool holder for automatic insert changer".
- 465 D.1 85. Baver Aktiengesellschaft, "Azo dyestuffs".
- 466|Del 85. Asarco Incorporated, "Gas burner".

467 Del 85. Council of Scientific and Industrial Research, "An improved refrigeration for cold storages'.

12th June, 1985

- 468 Del 85. Gennady Yakovlevich Potemkin, "Cutting off tool".
- 469 Del 85. De La Rue Giori S.A.. Process for processing security paper webs or security paper sheets to form bundles of security papers".
- 470 Del 85. Proizvodstvennoe Obiedinenie Turbostroenia Leningradsky Metallichesky Zavod", Valve means for a steam turbine".
- 471 Del 85 Maghemite Inc.. "Dynamoelectric machine". (Convention date June 12, 1984) (U.K.).

13th June. 1985

- 472|Del|85. Royal Ordnance PLC., "Obturation in a firearm", (Convention date June 15, 1984) (U.K.).
- 473|Del|85. Royal Ordnance PLC., "Firearms with automatic ejection". (Convention date June 15, 1984)
- 474 Del 85. Michael John Hewitt. "The manufacture of light-weight extruded structural profile". (Convention date June 22, 1984) (U.K.).

14th June, 1985

- 475 Del 85. Energy Sciences INC., "High power window and support structure for electron beam processors".
- 476 Dcl 85. Alk loida Vegyeszeti Gyar, "A process for the N-Demethylation of morphinane alkaloids".
- 477|Del|85. Chesebrough-Pond's Inc., "Nail coating compositions and process for preparing same". (Convention date October 31, 1984) (Newzealand).
- 478 Del 85. Shri Ram Institute for Industrial Research, "A process for the depolymerisation of nylon 66".

ALTERATION OF DATE

156456. Ante dated to 16th June, 1981. (239[Cal/84)

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date at prescribed in Rule 36 of the Patents Rules, 1972.

- "The classifications given below in respect of each specification are according * Indian Classification and International Classification."
- A limited number of printed copies of the specifications listed below will be mailable for sole from the Government of India Book Denot, 8, Kiran Sankar Roy Poad, Calcutta, in due course. The price of each specification is Rs. 2]-thostage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

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CLASS: 14-A2.

156427

Int. Cl.: H 01 m 1|00, 3|00.

MANUFACTURE OF TUBULAR TYPE BATTERY PLATES.

Applicant: CHLORIDE GROUP LIMITED, OF 50, GROSVENOR GARDENS, LONDON S.W. 1., ENGLAND.

Inventors: 1. KLNNFTH PETERS, 2. ROBIN GORDON, 3. GILBERT SANDS.

Application No. 1496|Cal|74 filed July 4, 1974.

Convention dated 6th July, 1973 (32366|73) U.K.

Appropriate office for opposing proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

Apparatus for filling plates of tubular type for lead acid electric storage batteries characterised in that it includes means for supporting the tubes of a plate assembled on their spins, a pump and an extrusion head for extruding active material in the form of a paste, and a number of feed passages each having an inlet end connected to one of a number of ports distributed substantially uniformly around the axis of the extrusion head to receive paste from it, and an outlet end connected to or forming one of a number of extrusion nozzles arranged in a straight row and registering one with each tube of the plate.

Compl. Specn. 32 pages.

Drgs. 4 sheets

CLASS: 27-1.

156428

Int. C1. : E 04 g 23/02.

METHOD FOR THE PREPAIR AND/OR STRENGTH-ENING OF ARTIFICIAL OR NATURAL STRUCTURES.

Applicant: BALFOUR, BEATY & COMPANY LIMIT-ED, OF RANDOLPH HOUSE, WELLESLEY ROAD, CROY-DON CR9 3QD, SURREY, ENGLAND.

Inventor: 1. JAMES MILNE.

Application No. 2513 Cal 74 filed November 14, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

43 Claims

A method for the repair and cr strengthening of artificial or natural structures of the kind specified that have suffered damage by introducing a hardenable material in a liquid or semi-liquid state into cracks or other voids in such an artificial or natural structure, which method comprises surrounding the structure or a part of the structure containing the cracks or other voids that are to be filled by a closely fitting, fluid-impermeable covering and sealing boundary edges of the covering to the structure to form a substantially fluid-tight enclosure; evacuating air and any other fluid from the cracks and other voids within the fluid-tight encloure and, when the cracks and other voids have been substantially evacuated, allowing the hardenable material in a liquid or semi-liquid state to enter into the evacuated cracks or other voids until the hardenable material appears at the openings of the cracks and voids in the surface or surfaces of the structure; and permitting or causing the hardenable material to set.

Compl. Specn. 33 pages.

Drgs. 2 sheets.

CLASS: 73.

156429

Int. Cl.: D 06 c 3 00.

A DEVICE FOR LOCKING THE FABRIC EDGE HELD IN THE PINS OF THE PIN BAR OF A PIN-AND-CLIP TYPE OK PIN TYPE STENTER.

Applicants: PRIMATEX MACHINERY PRIVATE LTD., DHANRAJ MAHAL, SECOND FLOOR, CHHATRAPATI SHIVAJI MAHARAJ MARG, BOMBAY-400 039, MAHARASHTRA, INDIA.

Inventors: (1) NITIN SHANTILAL MEHTA & (2) VASANT VYANKATESH APTE.

Application No. 185 Bom 1983 filed June 3, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

2 Claims

A device for locking the fabric edge held in the pins of a pin-btar assembly of a pin-and-clip or pin type stenter comprising in combination a locking pins plate carrier assembly rotatably mounted on a fulcrum pin of a pin-bar carrier assembly, the locking pins plate carrier assembly carrying a row of locking pins adapted to interlock with the sharp pins of the pin-bar assembly, the said locking pins being adapted to be raised with the help of a lever and lock from above the fabric held by the pins of the pin-bar assembly, the locking pins plate carrier assembly being held in position by a spring.

Compl. Specn. 5 pages.

Drgs, 3 sheets.

CLASS: 32-F₃ b.

156430

Int. Cl.: C 07 c 53 08.

PROCESS FOR PREPARING AN ACETIC ACID DERIVATIVE.

Applicant: LABAZ, OF 39 AVENUE PIERRE LER DER SERBIE, F-75008, PARIS, FRANCE.

Inventors: 1. MICHEL CHIGNAC, 2. CLAUDE GRAIN, 3. CHARLES PIGEROL.

Application No. 621 Cal 77 filed April 25, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

A process for the preparation of di-n-propyl acetic acid of the formula I shown in the accompanying drawings

or a non-toxic alkali or alkaline earth metal salt thereof, which process comprises adding sodium-n-propylate in n-propanol to a reaction medium comprising a cyanacetic ester of the general formula II of the drawings

in which R represents an alkyl radical having from 1 to 4 carbon atoms and n-propyl bronide or iodade, the alkylation reaction taking place under reflux, saponifying the crude ester thereby obtained with a 10 to 20% by weight solution of sodium or potassium hydroxide acidifying the salt thus obtained with a strong acid to give crude di-n propyl cy, naceuc ucid, which is decaiboxylated by heating at a temperature between 140 and 190°C, to produce di n-propyl acetonitrile, hydrolysing the di-n propyl acetonitrile by me ais of a 75 to 80% by weight aqueous sulphuric acid at a temperature of 80 140°C to give crude di n propyl acetamide, hydrolysing the di-n propyl acetamide by me ais of a 75-80% by weight aqueous sulphuric acid at a temperature of 40 80°C in the presence of sodium nitrite to provide the required d-n propyl acetic acid, which if desired, is reacted with an alkali metal hydroxide or alkaline earth rietal oxide in order to obtain the crorresponding salt

Compl Specn 20 pages

Drgs 1 sheet

CLASS 32 G

156431

Int Cl C 07 c 171|10

A PROCESS FOR THE PREPARATION OF 5, 6 CISAND 5, 6 TRANS-10, 19-DIHYDRO-VITAMIN D DERIVATIVES.

Applicant RESEARCH INSTITUTE FOR MEDICINI AND CHEMISTRY INC. OF 49 AMHERST STREFT CAMBRIDGE MASSACH, SETTS 02142, UNITED STATES OF AMERICA.

Inventors 1 DEREK HAROLD RICHARD BARTON 2 ROBERT HENRY HESSE

Application No 833 Cal 77 filed sune 2, 1977

Convention dated 3rd June 1975 (23035|76) U.K.

Appropriate office for opposition proceedings (Rule Patents Rules 1972) Patent Office Calcuita

24 Claims

A process for the pregaration of 5 6 Cis and 5 6 ians 1) 19-dihydro-vitamin D derivatives which comprises hydrogenating by known methods a corresponding vitamin D compound in the presence of a catalyst comprising a transition metal from Group VIII of the Periodic Table coordinated with phosphine ligands tri substituted by a kyl or aromatic groups where by C-19 methylene group of the vitamin D compound is converted into a methyl group

Compl Specn 35 pages

Drgs 2 sheets

CLASS 56-B

156432

Int Cl C 10 g 13 00

PROCESS FOR CATALYTICALLY HYDROCRACKING A HYDROCARBONACEOUS FEI D

Applicant MONSANTO COMPANY, AT 800 NORTH LINDBERGH BOULEVARD ST LOUIS MISSOURI 63167 UNITED STATES OF AMERICA

Inventor 1 DONALD LEWIS GAGE MACLEAN

Application No 287 Cal 82 filed March 12 1982

Appropriate office for opposition proceedings (Rule 4 Patents Rules 1972) Patent Office Calcutta

20 Claims

A process for producing a hydrociacked hydrocarbonaceous product by catalytically hydrocracking a hydrocarbonaceous feed as herein described comprising

(a) cracking in a hydrocracking zone the hydrocarbon aceo is feed in the presence of hydrogen and a hydrocracking catalyst under hydrocracking conditions comprising a temperature of at least 250°C and a pressure of at least 45 atmosphere absolute where nead hydrocracking zone has a hydrocracking vapou phase and a hydrocracking liquid phase wherein said

hydrogen 15 provided by a hydrogen feed gas compilising at least 75 volume percent hydrogen, to produce a hydrocizkate, and wherein the hydrogen feed gas is provided in an amount sufficient to maintain a concentration of hydrogen in the hydrociacking vapor phase of at least 65 volume percent,

- (b) separating in a manner known per se the hydrocraciate into at least one liquid phase and a separated vapor phase, said se, a ated vapor phase being at a temperature and a pressure sufficient such that when the separated vapor phase is substantially in equilibrium with the liquid phase from which it is separated, the separated vapor phase has a greater concentration of hydrogen than the minimum concentiation of hydrogen in the hydrocracking vapor phase, characterized in that
- (c) contacting at least a portion of said separated vapor phase with a feed side of a polymeric membrance selective to the permeation of hydrogen as compared to methane, said separated vapor phase being at a temperature below that which adversely affects the polymeric membrance when the separated vapor phase is in contact with the membrance,
- (d) maintaining in a manner known per se the opposite side of the polymeric membrance at a pressure sufficiently below the pressure at the feed side of the polymeric membrance to permeate hydrogen to the opposite side of the polymeric membrance and provide a hydrogen permeate having a concentration of hydrogen gleater than the concentration of hydrogen in the separated vapor phase and greater than the concentration of hydrogen feed gas,
- (e) withdrawing in a manner known per se non-permeate from the feed side of the polymeric membrane,
- (f) removing in a manner known per se the hydrogen permeate from said opposite side of the polymeric membrane,
- (g) compressing the removed hydrogen permeate to ta sufficient pressure for passage to the hydrocracking zone and
- (h) then recycling the hydrogen permeate to the hydrocracking zone as a portion of the hydrogen feed gas

Compl Specn 24 pages

Drgs 1 sheet

CLASS 127 I

156433

Int Cl F 16 p 1|00

PIVOTABLE SUCTION TUBE FOR RECEIVING A FHREAD FROM A BOBBING

Applicant SCHUBERT & SALZER MASCHINENFA FRIK AKTIENGESELLSCHAFT OF FRIEDRICH-EBERT STRASSE 84 8070 INGOLSTADI, GERMANY

Inventors 1 RUPERT KARL, 2 WALTER MAYER

Application No 693|Cal|82 filed June 16, 1982

 Ap_i reputate office for opposition proceedings (Rule 4 Pater ts Rules 1972) Patent Office $Ca^i cutta$

9 Claims

A pivotable suction tube for receiving a thic id from a bobbin which everion tube comprises, for delivering the thread to a work device a slot which is located on the side of the suction tube rearest the bobbin and extends in the longitudinal direction of the suction tube characterised by a controlable closure member which co operates with the longitudinal slot and which in it closure position covers off substantially the whole length of the longitudinal slot

und pour 25 pages

CLASS: 32-F₃ c; 55-D₂.

156434

Int. Cl. A01 n 9|00; C 07 d 5|00.

PROCESS FOR PREPARING 2, 3-DIHYDRO-2, 2-DIMETHYLBENZOFURAŅ-7-OL.

Applicant: BRICHIMA S.P.A., OF VIA DEL VECCCHIO POLITECHICO, 7, MI AN, ITALY.

Inventors: 1. PAOLO MAGGIONI, 2. FRANCESCO MINISCI AND 3. MARIANO CORREALE.

Application No. 455|Cal|83 filed April 19, 1983.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A process for preparing 2, 3-dihydro-2, 2-dimethylbenzofuran-7-ol of formula (I) shown in the accompanying drawings

Formula 2

which comprises the following steps:

(a) selective mono-etherification of pyrocatechol to 2-methaliyloxy-phenol (II of the drawings)

Formula 3

with a methallyl haoide in an inert organic solvent, in the presence of an inorganic base in the solid state and of a phase transfer catalyst chosen from the group consisting of quaternary ammonium or phosphonium salts and crown ethers:

(b) thermal transposition of the compound (II of the drawings)

obtained in the first step, to 3-methallylpyrocatechol (III of the drawings)

Formula 4

by heating the solution of the compound to a temperature between 130° and 200°C;

(c) cyclisation of compound (III of the drawings) by stirring the solution of the same with an insoluble solid acid catalyst selected from the sulphonic acid resings having a polimeric matrix of polystyrene crosslinked with divinylbenzene and a hydrogen ions concentration of 4. 5-5, 5 meq|gat a temperature of between 10° and 150°C, the three process stages being carried out in a single reaction medium in an inert gas atmosphere, without separating intermediate products.

Compl. Specn. 18 pages.

Drgs. 1 sheet.

CLASS: 80-H; 164-C.

156435

Int. Cl.: B 01 d 21|12.

ROTARY RAKE STRUCTURE FOR SEDIMENTATION TANK HAVING COMPOUND BOTTOM SLOPES.

Applicant: DORR-OLIVER INCORPORATED, OF 77 HAVOMEYER LANE, STAMIERD, CONNECTICUT, UNITED STATES OF AMERICA.

Inventor: 1. THOMAS WOOH.

Application No. 1782 | Cal | 76 filed September 27, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A rotary rake structure for te continuously operating settling tank having supply means for feeding a suspension to the tank for separation overflow means for delivering supernatant separated from slidge settling on the tank bottom having a settling surface presenting a compound slope wherein a shallow outer annular settling zone surrounds a steeper conical inner settling zone. inner settling zone, a center pier rising from said inner zone, a sludge sump surrounding the foot end of said pier, and sludge outlet means connected to said sump, said rotary take structure comprising a vertical cage surrounding said center pier substantially concentric therewith and supported on said pier for rotation about the vertical axis, at least one drive arm extending from the upper portion of said cage, a linear arm extending from the lower end portion of the cage radially across said outer zone, said arm having an outer end portion provided with raking blades adapted to move sediment from said outer annular zone to said inner zone during rotation of said arm about the vertical axis, a double pivotal connection between the inner end of said linear arm and said cage, allowing said arm to swing about an horizontal axis in a vertical p'une, as well as sideways about a vertical axis, characterized by a complementary linear bladed member extending from said linear arm rearwardly downwardly along the slope of said inner zone, and constituting with said linear arm a rigid composite bladed take arm structure conforming to the respective inclinations of the compound slope of the tank bottom, guide means provided and effective between the linear end of said complementary linear bladed member and said cage, said guide means being constructed and arranged so as to allow said bladed rake arm to move in a vertical plane about said horizontal axis, as well as to move in a horizontal plane about said vertical axis, linear flexible support means extending between said cage and the rake arm structure, and arranged to determine the normal lowermost position of said rake arm structure relative to the tank bottom, draft means connecting said drive arm with said composite rake arm structure in a manner effective to drag said rake arm structure over the tank bottom incident to the rotation of said cage, and drive means for rotating said cage together with said rake structure.

Compl. Specn. 18 pages.

Drgs. 2 shees.

CLASS: 70-B.

156436

Int. Cl. : C 01 d 1|10.

A FINGER TYPE ELECTROLYTIC CELL FOR THE ELECTROLYSIS OF AN AQUEOUS ALKALI METAL HALIDE SOLUTION.

Applicant: KANEGAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA, OF 2-4, 3-CHOME, NAKANOSHIMA, KITA-KU, OSAKA, JAPAN.

Inventors: 1. TOKUZO IIJIMA, 2. YASUSHI SAMEJI-MA, 3. TOSHIJI KANO, 4. SAKUO HAMASAKI.

Application No. 1242 Cal 81 filed November 9, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcuttu.

3 Claims

A funger type electrolytic cell for the production of an aqueous alkali metal hydroxide liquor by the electrolysis of an aqueous alkali metal halide solution which is comprises of a

plurality of fingers each having the vertical working surfaces of the cathodes, a plurality of anodes, positioned between the adjacent fingers, having vertical working surfaces parallel to the vertical working surfaces of the cathodes separator installation supports covering at least the upper and lower horizontal surfaces of the finger, but excepting portions over and under the anodes, and a separator positioned along the vertical working surfaces of the cathodes by the use of the separator installation supports characterized in that an end of the separator is located between a protiuded edge provided at the peripheries of the separator installation supports and an angled press plate overing the upper portion and the outer surface of the protruded edge a packing being interposed between the end of the separator and the protruded edge, and the angled press illate the end of the separator, the packing and the protruded edge being tightened up together by bolts and nuts

Compl speen 15 pages

Digs 4 sheets

CI ASS 35 B

156437

Int Cl (04 b 7 00

PROCESS OF PRODUCING CEMENT CLINKER

Applicant (1) METALLGESELLSCHAFT AKTIEN GESFLLSCHAFT BFL FERWEG 14 D 6000 FRANKFURF AM MAIN 1 WEST GERMANY (2) CREUSOT-LOIRT ENTREPRISES 3 3 QUALGALL'ENLE 92150 SURFSNES FRANCE, (3) LALARGE COPPEF 28 RUF FMILL, MENIFR 1 75782 PARIS CEDEX 16 FRANCE (4) ALBERT FOLLIOT OF 8 RUF DARCEL F 92100 BOULO GNE ITALY

Inventors | HANS WERNER SCHMIDT 2 HANS BEISSWENGER 3 IOTHAR REH 4 ALBERT FOLLIOT 5 MAURICE PALLIARD

Application No. 33 Call 82 file 1 January 7, 1982

Appropriate office for opposition proceedings (Ru) 4 Patents Rul s 1972) Patent Office Calcutta

10 Claims

A process of producing cement clinker comprising preheating the law lement powder in a suspens on-type heat exchanger de acidifying in a pre-calciung system, clinkering in a fluidized bed and subsequently cooling the clinker, char of terized in that said de-acidification is effected to at least 95% at a temperature in the range of 8°0°C to 1400°C in a circulation system comprising a fluidized bed reactor (5) a cyclone separator (6) and a recycling duct (7) the full required for the calciuning and clinkering process is fed in an amount of at least 65% (related to the total heat requirement) to the de acidifying fluidized bed reactor (5) and in an amount of at least 10°c (related to the total heat requirement) to the clinkering fluidized bed reactor (13, 29), the fuel supplied to the de acidifying fluidized bed reactor (5) is near stoichio metrically burnt in two combustion stages with at least two partial streams of oxygen containing gas one of said stream is supplied as fluidizing gas (8) and the other is supplied on a higher level as secondary gas (9), and the ratio of the rates and volumes of fluidizing gas to secondary gas is main tained in the range from 1 1 to 1 10 so that a man suspension density of 100 to 300 kg m³ is maintained in the zone between the inlet (8) for fluidizing gas and the inlet (9) for fluidizing gis and a mean uspension density of 5 to 30 kg m³ is maintained above the inlet (9) for secondary gas

Compl Specn 20 pages

Drgs 2 h et

CLASS 127 H & J

156438

Int Cl B65 g 61|00 63|00

SHIFTING ACTUATOR

Applicant EATON CORPORATION WORLD HEAD QUARTERS 100 FRIEVII W PLAZA CLEVI LAND OHIO 44114 USA

Inventors 1 ROBERT HENRY BROUCKSOU, 2 GEO-AGE MARTIN 3 RICHARD JOSEPH OSTER

Application Iso 435 Cal 82 filed April 20, 1982

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Calcutta

14 Claims

A shift actualor for selectively shifting a shift member to a selected one of at least two exially separated positions, said actuator comprising

a housing,

means for engaging said shift member axially sudable in said housing said means for engaging said shift member effective to engage said shift member and move said shift member axially therewith,

reaction means taxically slidable in said housing said reaction means axially movable relative to said means for engaging said shift member,

a resilient biasing means retained in said housing between said means for engaging said shift member and said reaction means

a rotational member rotatable mounted in said housing said rotational member having at least one unique rotational position relative to said housing for engaging said reaction means and position effective to cause said brasing means to an axial position effective to cause said brasing means to urge said means for engaging said shift member to move said shift member to each of said axially separated positions; and

means mountable to said housing for electively retating said intational member to a selected one of said unique rotational positions

Compl Speen 24 pages

Digs 5 sheets

(1 455 126 B

156439

Int Cl G 01 v 3 00

DICITAL INDUCTION LOGGING TOOL

Apol cation SCHLUMBERGER LIMITED, AT 277 PARK AVENUE NEW YORK NEW YORK-10017 USA

Invertor 1 PAUL I SINCEAIR

Application No 602|Cal|82 filed May 25 1982

Appropriate office for opposition proceedings (Rule 4 Patents Rules 1972) Patent Office Calcutta

6 Claims

A digital induction logging tool having a transmitter coil which respond to a transmitter signal generated from stored digital data signals to induce eddy currents to flow in the carth's sub-unface formations and a receiver coil which generates i to motion characteristic signal in response to the presence of these currents, the tool mensuring at least one component of the characteristic signal in phase sensitive detector in response to a reference phase signal having the same phase as the component signal to be detected, said tool including in device for compensating for phase shift arrors introduced into the component signal measurement by electrical circuits involved in both the generation of the eddy curlents and in the detection of the phase component signals of the characteristic signal and characterized in that the device compuses

digital memory means responsive to memory address and to encrating a digital reference phase signal and

address generating means synchronized to the output of said stored digital data signals used to generate the transmitter signal for generating the memory address signals to said memory, and where the stored digital data in said memory for generating the reference phase signal is stored relative to the stored digital data for generating the transmitter signal so that the general reference phase signal is phase shifted relative to the generated transmitter signal in a direction to compensate for phase shift errors introduced by circuits in the tool.

Compl. Specn. 64 pages.

Drgs. 15 sheets.

CLASS: 198-D.

156440

Int. Cl.: B 03 b 3 00.

IMPROVED APPARATUS FOR WASHING AND GRANULOMETRIC SEPARATION OF SOLID MATERIALS IN A STATE OF SUSPENSION.

Applicant: AI UMINIUM PECHINEY, OF 28 RUE DE, BONNEL, 69003 LYON, FRANCE.

Inventors: 1. MARCEL ENTAT, 2. JEAN LEPETIT.

Application No. 982 Cal 82 filed August 24, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

An improved apparatus for washing solid materials in suspension in a liquid phase to remove the solubilised materials therein and/or to effect precise granulometric separation of solid materials in suspension in said phase, comprising a vertical column in which horizontal perforated plates are disposed, means for the feed of suspension to be treated and treatment liquid, and a pusating means for extraction of the treated susrension, characterized in that said vertical column comprises in its upper portion a cylindrical collecting region in its middle portion, a cylindrical region of sufficient height to accommodate said perforated plates and of a diameter which is less than or equal to the diameter of the upper cylindrical region, the upper and middle regions being connected together by an inverted truncated cone, the large base of which is fixed with respect to the upper cylindrical region and finally, in its lower roortion, a conical region, the base of which is connected to the middle cylindrical region, the efficiency of the washing action of the apparatus being evaluated in accordance with the following relationship, in which K₁, a coefficient associating the technical characteristics of said vertical column, is the ratio of the diameter of the perforations and the mean distance 1, and has a value which is at least equal to 10 and which is preferably between 20 and 300:

$$K_1 = \begin{bmatrix} V \\ pS \end{bmatrix}^2 \cdot \frac{N}{1-g} \cdot \frac{dn}{do-dn} \cdot \frac{do}{ds}$$

wherein N is the number of actually installed rerforated plates, each having a surface area S and a perforation coefficient p, being the ratio between the total areas of rerforations and the surface area of one plate. V is the sum of the volumes of the liquid which are transferred alternately, upwardly and downwardly per unit of time, dn is the relative density of the liquid used for the washing operation or for granulometric stparation, do is the relative density of the liquid issuing by overflow action, do is the relative density of the solid materials in suspension, and g is the acceleration due to gravity.

Compl. Specn. 23 pages.

Drgs. 2 sheets

CT 45° : 50-F ..

156441

Int C1: F25 b 13|00.

REFRIGERATION HEAT RECLAIMING SYSTEM.

Applicant: (ARRIER CORPORATION, AT SYRACUSE, NEW YORK, UNITED STATES OF AMERICA.

Inventors: 1. LOUIS HOWFLL I EON ARD, 2. MARVIN McDONALD PATNODE.

Application No 1548 Cal 75 filed August 7, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcuttu.

10 Claims

In a compression refrigeration system of the type including a condenser, an evaporation, an expansion mechanism for throttling refrigerant between the condenser and the evaporator, and a vapor compressor for raising the state of refrigerant vapors leaving the evaporator, the improvement comprising spray means for exposing the discharged vapors leaving the compressor to an absorbent solution to develop a high temperature mixture, a heat exchanger for transferring heat energy from the mixture to a reclaiming substance, separating means for separating unabsorbed refrigerant vapors from the diluted solution leaving the exchanger, a concentrator interposed between the condenser and the separator through which the unabsorbed vapors pass from the separator to the condenser in heat transfer relation with a supply of solution contained therein, and expansion means for flash cooling the separated diluted solution and delivering the solution the supply of solution in said concentrator whereby heat energy is transferred from the vapors to the flash cooled solution to boil refrigerant therefrom thus reconcentrating the solution.

Compl. Specn. 26 pages.

Drgs. 3 sheets.

CLASS: 85-H: 141-E.

156442

Int. Cl.: C 22 b 1|00; F 27 b 21|00.

APPARATUS FOR AND METHOD OF PRODUCING A SINTERED MATERIAL.

Applicant: F. L. SMIDTH & CO. A/S., OF 77 VIGER-SIFV AIIE, DK-2500 VALBY, COPENHAGEN, DENMARK.

Inventor: 1. HANS BRUN KNUDSEN.

Application No. 1278 Cal 81 filed November 17, 1981.

Convention dated 17th November, 1980 (8036838) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

Apparatus for thermally treating, in particular sintering, pulverulent material whereby the pulverulent raw material suspended in a gas is heated to the sintering temperature outside a reaction chamber, characterized in comprising:

a rotary kiln baving an axis slightly inclined to the horizontal and provided with stationary end walls and a fuel inlet at the upper end;

a suspension inlet duct connected to the upper end of the rotery kiln and placed in a plane substantially rarallel to the tangential plane of that part of the cylindrical wall of the rotery kiln which is closest to the suspension exit end of the suspension inlet duct;

a gas outlet duct connected to one end of the rotary kiln; and

outlet for the thermally treated material at the lower end of the rotary kiln.

Compl. Specn. 25 pages,

Drgs. 6 sheets.

156445

CLASS: 136-E.

Int. Cl.: B 29 d 31 00.

156443

130443

PROCESS OF AND APPARATUS FOR FORMING TUBULAN PREKMOPLASTICS ARTICLES.

Applicant: MEIAL BOX LIMITED, OF QUFENS HOUSE, FORBURY POAD READING RG1 3JH, BERKSHIRE, ENGLAND.

Inventors: 1. LEONARD WILLIAM REED, 2. ROBERT MYERS SINCLAIR BARR, 3. DAVID ALAN DICK.

Application No. 1288/Call81 filed November 19, 1981.

Convention dated 19th November, 1980 (8037137) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims

A proces for forming at lenst partly biaxially oriented tubular articles from an elongate tube of thermoplastics material, which comprises repeatedly performing a cycle of operations each including the following steps:

engaging the tube by a first clamping means over a first region at a leading end of the tube and by a second clamping means over a second region at a spacing from the first region, so as to define between the clamping regions a portion of the tube to be longitudinally stretched and radially expanded;

Moving the clamping means apart to stretch the tube portion longitudinally and admitting pressure fluid to the tube portion to expand it radially, such stretching and expansion forming a bubble of biaxially oriented thermoplastics material adjacent the leading end of the tube; and

severing a substant's part but not all of the bubble from the tube to form the tube with a new flared end as the said leading of the tube for the succeeding cycle of operations.

Compl. Specn. 35 pages .

Drgs. 7 sheets.

CLASS: 136-F.

156444

Int. Cl. · B 20 d 7|00· C 08 f 29|02, 47|14.

A PROCESS FOR EXTRUDING A FILM FORMING POLYOI FFIN RESIN BASED COMPOSITION INTO FILM.

Applicant: UNION CARBIDE CORPORATION, LOCATED AT 270 PART AVENUE, NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors: 1. MICHAEL ALLEN CORWIN, 2. GEORGE NORRIS FOSTER.

Application No. 1408|Cal|81 filed December 10, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office. Calcutta.

26 Claims

In a process for extruding a film forming polyolefin resin based composition into film, which composition comprises a Ziegler-Natta catalyzed film grade polyolefin resin which contains a chloride residue in the range of between 5 and 500 ppm and anti-oxidant in the range of between 20 and 5000 ppm, which composition is susceptible to gel streaking and pinstriping during the formation of said film, the improvement which comprises

extruding said composition into said film in the presence of an organic acid acceptor, said acid acceptor being present in a concentration sufficient to neutralize said chloride residue in said composition, said concentration of acid acceptor being at least 0.8 times the concentration of said anti-oxidant, said acid acceptor having a moleculer weight > 180 with < 5% by weight volatiles at 180°C as measured by thermal evolution analysis

Compl. Specn. 40 pages.

Drgs. 1 sheet.

CLASS: 174-A.

Int. Cl. F 16 r 13|00.

VIBRATION DAMPERS BEIWEEN FOUNDATIONS AND DEVICES PARTICULARLY HIGH TENSION SWITCHGEAR.

Application LICENTIA PATENT-VARWALTUNGS C.M.B.H., 600 FRANKFURT AM MAIN, THEODORSTERN-KAI I, FEDERAL REPUBLIC OF GERMANY.

In cators: 1. DIPLOM- INGENIEUR, HANS-GEORG AUGUSTIN. 2. DIPLOM-PHYSIKFR, DR. RER, NAT. HANS-GERD THIEL.

Application No. 1098 Cal'82 filed September 22, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A vibration damper between a foundation and the base of a device particularly the base of a high ten ion switch gear erected in earthquake-prone areas comprising spring elements for limiting the beginning moment caused by vibration and for shock absorption, characterised in that the base of the said device includes a plate having holes through which a plurality of screws bolts pass, the screw bolts being anchoied in the foundation and resting on lower abutments fitted on the screw bolts and that the spring elements surrounding the screw bolts coaxially are arranged between the upper side of the plate and the upper abutments fitted on the screw bolts

Compl. Specn. 9 pages.

Drgs 1 sheet.

CLASS: 32 E.

156446

Int. Cl.: C 08 f 1 32.

PROCESS FOR THE POLYMERIZATION OF 2-PYNOLIDONE.

Applicant & Inventors: CARL EDMUND BARNES AND ARTHUR CONARD BARNES. BOTH OF 482 TRINITY PASS ROAD, NEW CANAAN, CONNECTICUT 06840 UNITED STATES OF AMERICA.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A process for the polymerization of 2-pyrrolidone comprising the polymerization of substantially applydrous monomeric 2-pyrrolidone at a polymerisation temperature of from 30°C to 45°C, in the presence of an alkaline primary catalyst as herein before defined and an activator consisting of sulfur dioxide, the concentration of sulfur dioxide varying with the temperature used and not exceeding a sulfur dioxide concentration bounded by an approximate straight line drawn on a semi-log graph having a logarithmic scale of sulfur dioxide concentration along the ordinate in terms of mols of sulfur dioxide per mol of 2-pyrrolidone monomer and having polymerization temperature along the abscissa said line being drawn on said graph from the vicinity of the point at 30°C, temperature and 0.024 mols of sulfur dioxide per mol of monomer to the vicinity of the point at 45°C, temperature and 0.004 mols of sulfur dioxide per mol of monomer, whereby the polypyrrolidone formed is of a viscosity capable of being melt spun.

Compl. Speen. 23 rages.

Drgs 3 sheets.

CLASS: 185-C & F.

156447

Int. Cl A 23 f 3|00; A 23 l 1|26.

A METHOD OF PRODUCING A FLAVOUR COMPOSITION FOR FLAVOURING TEA

Applicant: DOUWE EGBERTS, OF KEULSEKADE 143, 3532 AA UTRECHT, THE NETHERLANDS.

Inventors: 1. ALBERT DE VRIES, 2. LOURIS KAPER.

Application No. 341 Cal|82 filed March 26, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A method of preparing a flavour composition for flavouring tea comprising emulsifying an oily foreign flavour such as herein defined in an aqueous tea extract or in an aqueous solution of & dried tea extract to form an oil-in-water emulsion. and spray-drying the resulting emulsion.

Compl. Specn. 10 pages.

Drgs. Nil.

CLASS: 133-A.

156448

Int. Cl.: H 02 p 5|00.

MOTOR CONTROL APPARATUSES.

Applicant: WESTINGHOUSE ELECTRIC CORPORA-TION. OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNIT-ED STATES OF AMERICA.

Inventor: 1. RICHARD DOUGLAS ROBERTS, 2. JAMES HENRY FRANZ, JR., 3. LESTER JUNIOR HOFFMAN, 4. LALAN GRAY MILLER.

Application No. 505|Cal|82 filed May 5, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A motor control apparatus including a chopper having means for phase angle controlled operation and coupled with a vehicle propulsion motor, said vehicle having a control device for determining selectively the desired movement of the vehicle to cause motoring and braking operations, the apparatus comprising:

means responsive to the control device for providing an effort request signal which signal affects said desired movement;

means responsive to the effort request signal for determining a desired acceleration rate for said vehicles;

means responsive to the effort request signal for determining a phase angle limit for the chopper; and

control means coupled with said motor and responsive to the desired acceleration rate and the determined phase angle limit for controlling the operation of said motor to provide the desired movement of said vehicle.

Compl. Specn. 15 pages.

Drgs. 6 sheets.

CLASS: 27-C & E.

156449

Int. Cl.: E 04 d 3 00.

PROCESS FOR MANUFACTURE OF NON-ASBESTOS CORRUGATED SHEET.

Applicants: CAPE UNIVERSAL CLADDINGS LIMITED, OF P.O. BOX 165, TOLPITS, WATFORD, HERTFORD-SHIRE, WD1 8QZ, ENGLAND AND CAPE BOARDS & PANELS LIMITED, OF IVER LANDE, COWLEY, UXBRIDGE, MIDDLESEX UB8 2JQ, ENGLAND.

Inventors: 1. STEPHEN HARPER, 2. DAVID GEORGE HISCOCK.

Application No. 704|Cal|82 filed June 18, 1982.

Convention dated 19th June, 1981 (8118947) U. K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

24 Claims

A process for the manufacture of a non-asbestos corrugated sheet comprising forming into corrugated form an aqueous slurry of a mixture comprising, on a dry weight basis, 40-60% silica and 5-15% cellulose fibres, comprising said corrugated form so produced in a press to reduce its thickness and increase its density, removing said form from said press and submitting said form to autoclaving to cause reaction to occur between said cement and said silica to form a binder matrix.

Compl. Specn. 13 pages.

Drgs. Nil

156450

CLASS: 186-B3, 5; 187-H.

Int. Cl.: H 04 1 3 00, 5 00.

DIGITAL COMMUNICATION SYSTEMS.

Applicant :: WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors: 1. JAMES FRANKLIN SUTHERLAND. 2. DONALD FREDERICK FURGERRSON, 3. MILADEN KEZUNOVIC.

Application No. 890|Cal|82 filed July 29, 1982.

Appropriate office for opposition proceedings (Rule 4, Fatents Rules, 1972) Patent Office, Calcutta.

3 Claims

In a digital communications system, a serial data communications network comprising: a plurality of stations,

a serial data communications bus to which each of said stations is interfaced and through which each of said stations comunicates with every other of said stations, and

a plurality of access-circuit means, each in communications with one of said stations, for controlling orderly sequential collision-free access by each said station to said serial bus for normal transmisson of data thereon and including means for temporarily permitting rapid access of any selected said station to said serial bus for emergency transmission thereon, ignoring said sequential access.

Compl. Specn. 12 pages.

Drgs. 2 sheets.

CLASS: 127-B.

156451

Int. Cl.: B 23 q 21 00,

IMPROVEMENTS IN OR RELATING TO A DYNAMO-METRIC SPINDLE UNIT FOR CONTINUOUS LOAD MONITORING AND MEASUREMENT IN DEEP HOLE BORING MACHINES.

Applicant: HEAVY ENGINEERING CORPORATION LIMITED, OF PLANT PLAZA ROAD, RANCHI 834 004, BIHAR, INDIA.

Inventors: 1. PUTUKODE KRISHNAN ANAN THON-ARAY ANAN, 2. VAIRELIL BHARATHAN.

Application No. 1069|Cal|82 filed September 16, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A dynamometric spindle unit for continuous load monitoring and measurement in deep hole boring machine comprising a split bush for clamping a boring bar, a spindle slidable inside a housing and having minimum radial clearance with the housing, the split bush being fixed to a nose formed on the spindle and means for continuously monitoring the axial load or axial feed thrust of the boring bar, including a load cell mounted in the housing and having a load sensing part pressed against a flange on the nose of the spindle.

Compl. Specn. 8 pages.

Drgs. 1 sheet.

CLASS: 172-B.

156452

CLASS: 47-B.

156454

Int. Cl.: D 01 h 11|00.

DEVICE FOR REMOVING A LAYER OF MATTED FIBRES ON A FILTER DRUM ROTATABLE IN A FILTER HOUSING.

Applicant: MASCHINENFABRIK RIETER AG, OF WINTERTHUR, SWITZERLAND.

Inventors: 1. KURT WEBER, 2. CIANCARLO MONDINI, 3. GERHARD MANDL.

Application No. 1102|Cal|82 filed September 24, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

Device for removing a layer of matted fibers on a filter drum which is rotatable in n filter housing and the interior of which is connected to a source of underpressure, the device comprising means for stripping the layer of fibers from the filter drum, said means being provided in an opening in the housing defined by walls, and the device being provided with a stationary cover in the interior of the filter drum, which cover sealingly screens off from the interior subjected to underpressure that cylindrical portion of the filter drum at which the layer of matted fibers is stripped off by the said means, characterized in that the cover (9; 9a) comprises a flexible sealing membrane (10) engaging the cylindrical internal wall of the filter drum (2).

Compl. Specn. 15 pages.

Drgs. 5 sheets.

CLASS: 81-A.

156453

Int. Cl. H 01 r 11|00.

CONDENSER BUSHINGS FOR HIGH-VOLTAGE ELECTRICAL APPARATUS.

Applicant: WESTINGHOUSE ELECTRIC CORPORA-TION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER. PITTSBURGH, PENNSYLVANIA 15222, UNIT-ED STATES OF AMERICA.

Inventors: 1. ROBERT WAYNE RUNNELS, 2. LOREN BENNETT WAGENAAR, 3. LOUIS EARL LUKE, 4. THOMAS PAUL BRESNAHAN.

Application No. 1358 Cal 82 filed November 22, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office. Calcutta.

4 Claims

A condenser bushing for high-voltage electrical apparatus, comprising a cylindrical mounting flange having a predetermined inside diameter, an upper casing connected to the mounting flange. a lower casing coaxially positioned with said upper casing, a central electrode positioned within said upper and said lower casings, said electrode being supported by said upper casing, said electrode supporting said lower casing, a condenser section wound about said central electrode, said condenser section having an outside diameter that is smaller than the inside diameter of said mounting flange, and means for centering said condenser section within said mounting flange, said means comprising a plurality of triangular wedging blocks, said means being rigidly attached to said condenser section and said means for centering is larger than said inside diameter of said mounting flange to prevent said condenser section and said central electrode from falling into the electrical apparatus upon mechanical failure of said upper casing.

Compl. Specn. 11 pages.

Drgs. 1 sheet.

Int. Cl. : C 10 b 3 00.

FLUIDIZED BED APPARATUS FOR GASIFYING CARBONACEOUS MATERIAL.

Applicant: KRW ENERGY SYSTEMS INC, OF THREE GREENWAY PLAZA, HOUSTON, TEXAS 77046, UNITED STATES OF AMERICA.

Inventors: 1. EUGENE JOSEPH CHELEN, 2. ALAN EDWIN BOGNER, 3. JIMMIE LEE LUCAS.

Application No. 1438 Cal 82 filed December 13, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A fluidized bed apparatus for gasifying carbonaceous material, said apparatus comprising a vessel (22), having an ash collecting area (26) at its lower end, a fluidized bed section above said ash collecting area and a gas section at its top end, characterized in that at least one baffle (30) extends into said gas section for deflecting said gas and reflecting particulate materials in said gas, said baffles (30) being cooled by a fluid to prevent said particulate material from adhering to said baffle (30).

Compl. Specn. 7 pages.

Drgs. 1 sheet-

CLASS; 21-B.

156455

Int. Cl.: A 43 c 1 00.

A FASTENING MEANS OF BOOTLACE.

Applicant & Inventor: YU HO AHN OF 481. HYOMOCKDONG, DONG-KU, TAEGU-SHI, THE REPUBLIC OF KOREA.

Application No. 441 | Cal | 83 filed April 15, 1983.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

A fastening means of bootlace, comprising characteristics in that two upright side edges, provided at a cut-open portion of a boot to face each other, are serrated all along in a form such as teeth (3), (3'), (5). (5') and notches (4), (4'), (6), (6'), each tooth having an eyelet and projecting upward in the same direction as that of a lace (7) running diagonally from the eyelet to the next-upper eyelet on the opposite side, each of teeth and notches gradually becoming larger in width and height step by step upward equally on either side, and spacings between two eyelets adjacent to each other on either side also gradually becoming greater at each step upward to effect a reduction of number of eyelets and less friction, the lowest spacings (c), (c') being the smallest and the top ones (d), (d') the largest, and in a that the lace (7) is initially put outward from the inner side through eyelets (8). (8') and run diagonally crossways to the next-upper eyelets respectively on the opposite sides to go on through the eyelets and from them on again to the next-upper ones step by step in the same running manner up to the top.

Compl. Specn. 8 pages.

Drgs. 2 sheets.

CLASS: 129-Q.

156456

Int. Cl.: B 21 c 37/08.

A WELD QUALITY MEASURING DEVICE FOR A WELDER OF THE PULSE RESISTANCE TYPE.

Applicant: AMERICAN CAN COMPANY, OF AMERICAN LANE GREENWICH, CONNECTICUT 06830, U.S.A.

Inventors: 1. TAN K. DAO, 2. VANCE B. GOLD, 3. EDWARD F. KUBACKI, 4. WALTER J. SIEVERIN.

Application No. 239 Cal 84 filed April 12, 1984.

Division of Application No. 650|Cal|81 dated 16th June, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

A weld quality measuring device for a welder of the pulse resistance type for use in connection with welding the longitudinal side seam of a thin metallic hollow tubular open ended can body comprising:

a power supply means for providing high frequency electrical power,

a pair of juxtaposed electrode means connected to said power supply and including a pair of juxtaposed counter-totating rollers carrying across the nip therebetween a highly conductive electrode current carrying wire and the juncture of said side seam to be wleded,

a means for moving said highly conductive wire and said side seam in relation to said electrode rolls to produce a uniform rate of pulse resistance welding power application along the length of said side seam, and

an accelerometer mounted to move with one of said electrode rolls in any direction other than parallel to the direction of said longitudinal side seam to provide a signal relative to the motion of said electrode resulting from the discontinuities in the material in said seam to be welded and the instantaneous variations in acceleration of said one electrode due to the mechanical force applied to said side seam by said electrodes, the pulsing of power and the metal in the seam.

Compl. Specn. 27 pages.

Drgs. 2 sheets.

CLASS: 64B₃.

156457

Int. Cl.: H01r 13|00.

"MODULAR COUPLING DEVICE FOR CONTROL FLEMENTS FOR ELECTRICAL INSTALLATIONS".

Applicant: JUAN AGUT SANZ, OF AVDA. CAUDILLO, 317-1°-1°, TARRASA. BARCELONA, SPAIN, A SPANISH CITIZEN.

Inventor: JUAN AGUT SANZ.

Application for Patent No. 350|Del|81 filed on 22nd June, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

Modular coupling device for control elements comprising a drive member of the control element and one or more blocks of the control element, which blocks can be connected to one another and to a drive member so that the blocks of the control element are simultaneously operated with a single drive member, thereby establishing an interchangeable modular system between various drive members and various blocks of the control element, characterised in that the drive member of the control element is provided about the conventional retractable operating member with a tubular appendix fittable in a housing at one of the fronts of the block of the control element. about the conventional retractable operating member, which at the opposite front has a tubular appendix whose characteristics are identical to those of the appendix protruding from the drive member of the control element so that the blocks of the control element can be connected together and each block acts as a drive member of the following block.

Compl. Specn. 9 ptages. Drgs. 6 sheets.

CLASS: 55E₄.

156458

Int. Cl.: A61j 3|00, A61k 27|00.

"A PROCESS FOR PREPARING A COHESIVE PHAR-MACEUTICAL DOSAGE UNIT".

Applicant: SMITH KLINE & FRENCH LABORATORIES LIMITED, A BRITISH COMPANY, OF MUNDELLS WELWYN GARDEN CITY, HERTFORDSHIRE AL7 1EY, ENGLAND.

Inventor: GEOFFREY DAVID TOVEY.

Application for Patent No. 357|Del|81 filed on 3rd June, 1981.

Convention date 5th December, 1980|8038993 (U.K.). 28th April, 1981|8112987 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

24 Claims

A process for preparing a cohesive pharmaceutical dosage unit suitable for oral administration comprising a main body having a plane that contains its lateral and longitudinal axes and has one projection on each side of this plane which causes the tablet to adopt a position where the plane is tilted relative to the surface provided

- (a) that the ange of tilt on at least one side of the plane is at least 6 degrees or
- (b) the projections have no cutting edge or
- (c) the projections are located at or towards the point where the lateral and longitudinal axes, intersect which process comprises forming the active ingredient and any carrier into the shape defined by compressing said active ingredient and carrier in a complementary shaped punch and die or moulding in a complementary shaped mould.

Compl. Specn. 38 pages.

Drgs. 16 sheets.

CLASS: 981.

156459

Int. Cl.: F24j 3|02.

"PROCESS FOR THE COATING OF SOLAR CELLS WITH ANTI-REFLECTION FILM".

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: ANANTH PRASAD, SARASWATHI BAL-KRISHNAN. SUSHIL KUMAR JAIN, SHIVA NATH SINGH, NARINDER KUMAR ARORA AND GIAN CHAND JAIN.

Application for Patent No. 358|Del|81 on 4th June, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A process for the coating oc solar cells with anti-reflection film comprising placing the back ohmic surface of P+N type of silicon solar cell wafer on a plantinum foil in a shallow dish containing hydrofluoric acid, exposing the P+ surface thereof to white light as herein defined to form a royal blue colour on the P+ surface, turning off the light and removing the wafer out of the acid and rinsing the same in deionized water

Compl. Specn. 11 pages.

Drgs. 2 sheets.

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by The Associated Cement Companies Ltd., to the grant of a patent on application No. 140301 made by F. L. Smidth & Co. A|S. has been dismissed and ordered that a patent to be sealed.

(2)

An opposition entered by Belpahar Refractories Limited to the grant of a patent on application No. 151055 made by Orissa Cement Limited as notified in the Gazette of India, Part III, Section 2 dated the 3rd September, 1983 has been dismissed and ordered that a patent to the sealed.

(3)

An opposition entered by Belpahar Rafactories Limited to the grant of a Patent on application No. 151056 made by Orissa Cement Limited as notified in the Gazette of India, Part III. Section 2 dated the 3rd September. 1983 has been dismissed and ordered that a Patent to be sented.

(4)

An opposition has been entered by Fenner (India) Ltd. to the grant of a Patent on application No. 154531 made by D. K. Jain, R. K. Jain, S. Kumar, J. K. Jain and A. K. Jain.

PATENTS SEALED

145768 152978 153146 153694 153699 153700 153702 153705 153715 153779 153780 153781 153782 153783 153785 153786 153787 153790 153791 153792 153794 153795 153796 153799 153803 153897 153808 153809 153810 153832

AMENDMENT PROCEEDING UNDER SECTION 57

(1)

The amendment proposed by Sri K. M. Ravi Kumaran Nair in respect of Patent application No. 150807 as advertised in Part III, Section 2 of the Gazette of India dated the 29th October, 1983 has been allowed.

(2)

Notice is hereby given that Metal Box PLC of Queens House, Forbury Road, Reading RGI 3JH, Berkshire, England a British Company and Packaging Manufacturers have made an application under Section 57 of the Patents Act, 1970 for amendment of application and specification of their Fatent No. 153890 for "Closures for containers for wine or wine-based products". The amendments tree by way of correction, The application for amendment and the proposed amendments can be inspected free of churge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may ile a notice of opposition on the prescribed Form 30 within three months from the date of this rotification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall left within one month from the date of filing the said notice.

COMMERCIAL WORKING OF PATENTED INVENTION

MECHANICAL & GENERAL ENGG LIST NO. VII

The following patents in the field of Mechanical & General Engineering Industry are not being worked commercially n India as admitted by the patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970, in Persons who are interested to work the said patents commercially may contact the patentees for the grant of

Sr. No.	Patent No.	Date of Patents	Name & address of the patentees	Title of the invention
1	2	3	4	5
1	143275	31-3-75	DR. C. OTTO & COMP GMBH of 463 Bochum, West Germany	A coke guide machine movable on the coke side of coke oven batteries
2	143291	13-5-75	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. Carel van Bylandtlaan 30 The Netherlands The Hague	Apparatus for the ga ification of finely divided fuels.
3	143301	19-2-77	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-1, India	A piezoelectric micrometer
4	143308	-75	Do.	An improved process for smelting of lead
5	143316	28-5-75	CENTRALNY OSRODEK PROJEKTO- WOKONSTRUKCJNY MASZYN GOR- NICZYEN KOMAG Pszczynoke str. 37 Gliwice Poland	Baum Jig
6	143318	25-9-75	WESTERN GEAR CORPORATION 2100 Norton avenue, Everett Washington 98201 USA	Hydraulic drilling rig and power swivel and a method of drilling
7	143321	12-8-76	JOHANNES J MARTIN 248 Leopold Strasse 800 Munich 40 West Germany	Charging device for large furnaces
8	143361	28-2-75	FRITZ STAHLECKER & ETC Josef-Nei- dhert-strasse 18, D-7341 Bad Uberkingen, West Germany	Method and apparatus for start spinning thread of an open end spinning unit of an open end spinning machine
9	143371	12-12-74	SIEMENS AG Berlin & Munich West Germany	Balancing means for a rotary member such as turbine rotors

1	2	3	4	5
10	143372	17-12-74	ABEX CORPORATION 530 Fifth evenue, New York, N. Y. 10036 USA	Variable displacement fluid translating device like a pump.
11	143376	5-12-75	METALLGESELLSCHAFT AG, 16 Frankfurt A. M. Reuterweg 14 West Germany.	A method for the production of heat by combustion of carbonaceous materials.
12	143409	21-7-75	EMHART (U.K.) LTD Crompton Road, Wheatley, Doncaster Yorkshire England	System for transferring heat.
13	1434 15	14-4-75	NRM CORPORATION 47th West Exchange street Akron Ohio 44308 USA	Tire building machine.
14	143427	12-11-75	BETHLEHEM STEEL CORPORATION Hethlehem, Pennsylvania 18016 USA	Marine apparatus having telescopic legs.
15	143450	9-6-75	PALITEX PROJECT COMPANY GMBH Weeserweg 8, 415 Krefeld West Germany	A spinning or twisting spindle in particular a double twisting spindle.
16	143484	8-1-76	P. R. WADHWANA C/o Wadhawana Mechanicals Works 13 Baabourne Road, Calcutta-1, West Bengal India	Robbin holder.
17	143499	1-2-75	DR. C. OTTO & COMP G? NH Bochum, West Germany	Underjet coke oven batteries.
18	143501	2-5-75	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. Carel Van Bylandtlaan 30 The Hague The Netherlands.	A process & apparatus for producing a fuel gas by partially combusting a fuel that contains ash and yield a hot product gas containing sticky particle.
19	143505	25-11-75	A/S TEKNOVA 2990 Niva, Denmark	A fixture to be mounted on the discharge spout of a gas bottles or a similar tubular member.
20	143506	21-1-76	FRITZ TRABER 8000 Munich 90, Oberviehchtacher str. 29 E.R.G	A mountable & emovable arresting device for a foil or a similar thin covering material for making temporary or permanent cover- ing encastings special partitions.
21	143508	28-10-76	F. L. SMIDTH & CO A/S 77 Vigerslev Alle, DK 2500 Copenhagen Valby Denmark	Improvements in tube mills for drying and grinding.
22	143542	16-8-74	GIRLING LTD King's Road, Tyseley, Birmingham 11 England	Improvements relating to disc brakes.
23	143546	15-7-76	KNORR BREMSE GMBH 8000 Munchem 40 Moosacher strasse 80 FRG	Three-pressure-control valve for brake devices in rail vehicle.
24	143551	31-12-75	FRITZ STAHLECKER Josef-Neidhart-strasse 18 D-7341 Bad Ueberkingen West Germany	Open and spinning unit containing means for cleaning fibrous materials.
25	143569	4-11-74	SYBRON CORPORATION 1100 Mid- town tower Rochester New York USA	Fluid resistor.
26	143588	27-2-74	USS ENGINEERS AND CONSULTANTS INC 600 Grant street, Pittsburgh State of Pennyslvania USA	An arrangement for conducting gas to a permeable plug in combination with a bottom pour vessel.
27	143591	11-3-75	PALITEX PROJECT CO GMBH Weeserweg 8,415 Krefeld West Germany	MEANS for the measurement of thread storage on a double twisting spindle.
28	143598	15-10-75	JOHNSON & JOHNSON 501 George street, New Brunswick, New Jersey USA	Surgical dressings.
29	143635	28-2-75	FRITZ STAHLECKER Josef-Nei- dhart-strasse 18 D-7341 Bad Uberkingen West Germany	An open end spinning machine incorporating a movable piecing up apparatus.
30	143637	22-11-74	NATIONAL RESEARCH DEVELOPMENT CORPORATION 66-74 Victoria street, London S. W.* 1, England	Hardenable sheet materials suitable for surgical splinting,
31	143665	2-6-76	THE AIR PREHEATER CO LTD Andover Road wells Ville, New York USA	Heat exchange apparatus and sealing means the refor.
32	143729	5-5-76	F. L. SMIDTH & CO A/S 77 Vigerslev alle, DK-2500 Valby Copenhagen Denmark	A method of calcining pulverous or granular raw material and a kiln plant for the same.

1	2	3	4	5
33	143730	23-7-76	MONSANTO CO 800 North Lindbergh Bou levard St. Louis Missouri 63166 USA	Hose reinforced with discontinuous fibres oriented in the radical direction and method for preparing the same.
34	143737	21-7-76	JITENDRA KUMAR SHARMA 1767 Main Road, Tri, Nagar, Delhi 35 India	A drive system for vehicles.
35	143740	21-2-76	AJIT KUMAR BHATTACHARYA C/o Shri S. S. Bhattacharya Block No. 9/5 Citi- zen's co-operative Housing Society, 103 Manicktola Main Road, Calcutta- 700054	An improved rotating centre.
36	143757	4-5-76	NATIONAL INSTITUTE OF DESIGN 11A Rouse Avenue, New Delhi-India	A compass.
37	143784	18-3-76	PAUL OPRECHT 8962 Bergdietcon, Switzerland	Method & apparatus for seam welding overlapped edges.
38	133786	25-2-7 6	ALFRED HERBERT (INDIA) LTD P. B. 8605 White field Road, Bangalore 5600- 48 India	Improvements in or relating to submerged arc welding.
39	143825	8-10-75	NRM CORPORATION 47th West Exchange street, Akron, Ohio 44308 USA	Green tire loqedor.
40	143834	26-4-76	ALBANY INTERNATIONAL CORPORA- TION 1373 Boadway, Albany, New York- 122201 USA	Device for controlled release of vapours.
41	143884	5-8-75	PALITEX PROJECT COMPANY GMBH Weeserweg 8, 415 Krefeld, West Germany	A double or two for one twisting apindle and a spinning or twisting machine incorporating.
42	143891	27-11-75	PERSONAL PRODUCTS COMPANY Mill town, New Jersey, USA	Absorbant product with reduced sloughing properties and a catamenial tampon using same.
43	143935	8-3-77	CONTINENTAL CARBON CO. 4120 South west Freeway, Houston Texas 77027 USA	Method & apparatus for combustion of waste gases.
4 4	144002	30-7-75	RHONE-POULENCE INDUSTRIES 22 Avenue Montaigne, 75 Paris (8th) France	Micro-porous membrane containing as- bestos and a process for its production.
45	144006	24-7-76	ARMSTRONGS CORK COMPANY Liberty & Charlotte streets Lancashire, State of Pennsylvania USA	Apron skiving machine.
46	144008	10-1-77	IMS LTD 1886 Santa Anita avenue, sel monte California 91733 USA	An alimentation kit.
47	144021	6-5-76	NATIONAL INSTITUTE OF DESIGN 11A Rouse avenue New Delhi, India	An ellipsograph.
48	144047	13-4-76	LEVI STRAUSSE & CO 2 Embarcader centuer, San Francisco California 94106 USA	A method of preventing leg twist.
49	144048	1-6-76	S. K. F. KUGELLAGER FABRIKEN GES- FLLSCHAFT MIT BESCHANKTER HAF- TUNG Frust Schas strasse 2-8-8720 Sch- weinfurt 2/BRD FRG	Device for stopping the rotor of an open end spinning machine.
50	144052	12-3-75	CATERPILLAR TRACTOR CO 100 N.F. Adams street, Peoria, Illinois 616002	Modular truck body and method for making the same.
51	144058	19-11-75	PERSONAL PRODUCTS CO Mill town New Jersey, USA	Improved absorbent product with an absorb-, bent core.
52	144095	25-8-76	UNION CARBIDE CORPORATION 270 Park avenue, New York USA	A process for machine scarfing individual defects form the surface of a metal body.
53	144112	10-2-77	DR. C. OTTO & COMP GMBH Bochum, West Germany	Device for discharging dusty gases resulting from the pushing of cooking ovens.

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54	144138	2-1-76	DIRECT POWER LTD New Car House, 98 Camden Road, London N. W. 1,9 EP England	Improvements relating to opposed piston internal combustion engines.
55	144143	2-7-75	PATENTWERWERTUNGS AG 8730 Uznach Canton St. Gallon Switzerland	Method of making yarns from angora rabbits wool & synthetic fibrs.
56	144189	23-6-75	AG. FR. METTLERS SOHNE MASCHINE-NFABRIK 6415, Arth, Switzerland	A yarn singeing device.
57	144228	31-8-76	COMBUSTION ENGINEERING INC. 1000 Prospect Hill Road, Windsor Connecticut USA	A system for extracting heat from the combustion gases being exhausted from the furnaces of a steam generator.
58	144236	28-4-76	CARBORUNDUM UNIVERSAL LTD Tiruvottiyur Madras 600019 India	Improvements in or relating to grinding and polishing wheels.
59	144269	15-6-76	KLEIN SCHANZLIN BECKER AG 6710 Frankenthal FRG	Circulating pump.
60	144274	11-3-77	COMBUSTION ENGINEERING INC. Windsor, 1000 Prospect Hill Road, Connecticut USA	A boiler furnace design for pulverised coal coal & stocker firing.
61	144300	13-12-74	HELENE MACIAS AND ANGOS WINKE 5333 Russell Avenue Apt. 301 Hollywood California 90027 USA	Moisture detector adopted for use in human body.
62	144305	20-6-75	SUNKIST GROWERS INC 14130 Riverside Drive, Sherman Daks, State of California USA	Conveyor for fragile objects.
63	144352	14-2-77	ETHICON INC Somerville New Jersey USA	A needle suture combination and method of preparing the same.
64	144384	8-5-75	AEROQUIP GMBH 3510 Hann Munden West Germany	Pressure hose comprising several layers of reinforcing strengtheners.
65	144400	19-8-76	THE VAZIR SULTANN TOBACCO CO LTD Azambad Hyderabad 500020 Andhra Pradesh India	Improvements in or relating to blanks for for cartons,
6 6	144433	5-8-75	HERCULES INCORPORATED 910 Market street, City of Wilmington State of Delaware USA	Non electric blasting cap assemblies and blasting system including the same.
67	144437	19-6-75	GRASSO'S KONNIKLIJKE MASCHINEN- FABRIEKEN N. V. Parallelweg 27. S- Hertogenbosch The Netherlands	A method & apparatus for machining and gearwheel for a rotary displacement machine.
68	144453	12-8-75	THE GROSS COMPANY 17801 Fourteen mile road, Fraser Michigan 48026 USA	Machining center and method of machining pieces.
69	144542	24-4-76	FEDERAL—MOGUL CORPORATION 20555 Northwestern Highway Southfield Michigan 48075 USA	Process for making composite bearing material.
70	144551	18-11-76	THE AIR PREHEATER CO INC Andover road, Wellsville, New York USA	A heat exchanger oven.
71	144561	18-8-76	JOHANNES JOSEF MARTIN 248 Leopold- strasse 8000, Munich 40 German Federal Republic	A slag removing apparatus for large furnaces
72	144624	2-4-76	BELOIT CPROPRATION 1 St Lawerence Ave Beloit Wisconsin 53511 USA	A part annular segment for use in a pulp refiner.
73	144626	28-3-77	THE AIR PREHEATER CO INC Andover road, Wellsville New York USA	A regenerator heat ex-change apparatus.
74	144632	14-1-76	JOHNS MANVILLE CORPORATION 22 East 40th street, New York USA	Method and apparatus for eliminating external hot gas attenuation in the rotary fiberization of glass.
75	144640	15-9-75	DURAMETALLIC CORPORATION 2104 Factory street, Kalamazoo Michigan USA	An improved mechanical seal construction.

MECHANICAL & GENERAL ENGINEERING LIST NO. IX

COMMERCIAL WORKING OF PATENTED INVENTIONS

The ollowing patents in the field of Mechanical & General Engineering Industry are not being commercially worked in India as admitted by the patentees in the statements filed by them under section 146(2) of Patents Act, 1970 in respect of calendar year 1983, generally on account of want of requests for licences to work the patented inventions,. Persons who are interested to work the said patents commercially may contact the patentees for the grant of a licence for the purpose.

S. No.	Patent No.	Date of Patent		Title of the invention
1	2	3	4	5
1	144646	18-9-76	FESTO MASCHINEN FABRIK GOTTLIEB STOLL Ulmer strasse 48, Esslinger a. N. Germany	Connection apparatus for use in a fluid supply lines.
2	144652	8-10-76	ETHICON INC Sommerville, New Jersey USA	Package for armed sutures.
3	144661	29-9-76	N. V. PHILIP'S GLOEILAMPENFABRIE- KEN Emmasingel, Eindhaven, Netherlands	A multilayer reflector for use in optics.
4	144684	9 - 11-76	THE AIR PREHEATER COMPANY INC Andover Road, Wellsville, New York 14895 USA	Rotary regenerative heat exchange apparatus.
5	144742	21-7-76	DAVIDSON & CO LTD Bridge end BT 54 AG Northern Ireland	Rotary regenerative preheater.
6	144754	12-2-76	EATON LTD Axle divisions, Durham way, Arcliffe Industrial Estate, Nr. Darlington Country Durham England DL5 6 BJ	Drive axle system useable in 6×6 vehicle.
7	144776	10-5-76	GENERAL ELECTRIC CO 1 River Road, Schenectady, New York USA	A metal cutting tool having disposal inserts.
8	144788	29-11-75	OCE-VÂN DER GRINTEN N. V. Venlo The Netherlands	Profiled pressing roller for street and web like material transport and device utilizing the roller.
9	144844	8-3-77	N. V. PHILIP'S GLOEILAMPHENFABRI- EKEN Emmasingel, Eindhoven Netherlands	A metallized Plastic reflection and a method of manufacturing the same.
10	144845	6-3-75	METAL-CLADING INC 470 Niagara, Parkway, Town of North Tonawanda, Country of Niagara New York USA	Improved storage tank.
11	144858	6-8-76	BRITISH STEEL CORPORATION 33 Grosvenor place, London S W 1×7 JO England	Improvements in or relating to furnaces especially to furnaces for continuously treating strip material.
12	144888	8-7-75	F. L. SMIDTH & CO A/S 77 Vigerslev Alle DK-2500 Copenhagen Valby, Denmark	Rotary packer for filling sacks.
13	144898	20-6-75	BURROUGHS CORPORATION Burroughs Place, Detroit, Michigan 48232 USA	Apparatus for controlling the position of a carrier means.
14	144900	11-3-76	SATAKE ENGINEERING CO LTD 19-10 Ueno-1 Chome, Taito-ku Tokyo, Japan	Roll type huller.
15	144902	23-3-77	SUJASH KUMAR BAIN AE 549 Salt Lake city, Calcutta-700064 India	A collapsible tent.
16	144905	20-12-76	MANFRED STREIGHER Bahnhofstrasse 22, 7141 Beilstein FRG	A displacement pump.
17	144910	22-11-75	JOHANNES ZIMMER Ebentalerstrasse 133, 9020 Klagenfurt Austria	Squeegee device.
18	144939	8-12-76	COMBUSTION ENGINEERING INC 1000 Prospect Hill Road, Windsor, Connecticut USA	A spacer for maintaining a predetermined distance between tubes in boilers, heat exchangers, reactors and the like.

1	2	3	4	5
19	144968	25-10-76	R. A. LISTER & CO Long street Dursbey, Gloucestershire GL 11 4 HS England	Improvements in or relating to a pistonr for an internal combustion engine
20	144977	31-5-76	DR. C. OTTO & COMP GMBH Bochum, West Germany	Coke oven chamber battery
21	144996	3-2-76	IMODO INC 10960 Wilshire Boulevard Suite 428 Losangles California 90024 USA	A system of mooring a ship to the top of a rigid column or tower
22	145059	11-5-76	KRAFTWERK UNION AG 433 Mulheim (Ruhr) Wiesenstr 35 FRG	A steam generator for operation with pulverised coal and gas
23	145099	11-8-76	HAEMMERLE AG CH 4800 Zofingen, Switzerland	Folding press with work table
24	145101	15-7-77	ASHLAND OIL INC P. O. Box 391 Ashland Kentucky 41101 USA	A injection assembly for introducing a norm- mally liquid hydrocarbon feed stock in to a curbon black producing furnace
25	145128	5-11-75	PROCEQ SA Riesbachstrasse 57/59 Zurich Switzerland	Apparatus for testing the hardness of materials
26	145168	18-1-77	JOHNSON & JOHNSON 501 George street, New Burnswick New Jersey USA	A stabilized flavoured tooth cleaning artical
27	145246	4-8-76	CCL SYSTEMS LTD Cabco House, 296—304 Ewell road, Surbitan Surrey England	Improved swaging die & press
28	145263	20-11-75	SIEMENS AG Berlin & Munich (west) Germany	A device for the intermittent rotation of a machine shaft
29	145264	31-1-76	GRASSO'S KONINKLIJK MACHIE-FABRIEKEN N. V. Parellelweg 275-Hertogenhosch The Netherlands	Rotary displacement compressor with capacity control
30	145274	13-12-76	F. L. SMIDTH & CO A/S 77 Vigerslev Alle DK-2500 Valby Copenhagen Denmark	Improvements relating to ventilated tube mills and method of grinding cement clinker in a said mill
31	145305	21-1-76	BIUREAU BBR LTD Reisbachst strasse 57, Zurich Switzerland	Upset head at a high strength tension wire and method for the production thereof
32	145310	23-8-76	COMBUSTION ENGINEERING INC 1000 Prospect Hill road, Windsor Connecticut USA	A Pulverising mill
33	145337	4-3-77	do.	A shop assembled boiler
34	145346	19-6-76	HAEMMERLE AG CH 4800 Zofingen, Switzerland	Bending tool
35	145349	7-2-77	BRITISH STEEL CORPORATION 33 Grosvenor place London SW 1 England	Furnace for heat treating metallic strip
36	145353	3-2-76	JAN EDVARD PERSSON Henriksdalaringen 17 VS-13100 Nacks Sweden	Pump intended for pumping a liquid medium
37	145354	10-3-76	SINGLE BUOY MOORINGS INC Rue alboebovet, Switzerland	Flooding structure
38	145358	22-7-76	CENTRALY OSRODEK PROJEKTOWO KON STRUKCYJNY MASZYN CORNI- CZYCH KOMANG Gliarice, Pszezynska, str. 37 Poland	Method of seperation of a mixture of mineral grains in an aqueous medium and device for this method
39	145379	3-1-77	PUROLATOR INDIA LTD Hauz Khas New Delhi, India.	A Seal adapted to befilled with a filter assembly.
40	145397	27-5-77	NATIONAL INSTITUTE OF DESING 11- A Rouse avenue New Delhi India	A perpective drafter.
41	145407	23-4-76	LACREX BREVETTI SA VI A G. Motta 6648 Minusia Switzerland	A tool for turning screw heads nuts and the like
42	145409	14-12-76	ETHICON INC Sommerville, New Jersey USA	Absorbable surgical suture and a process for preparing same

1	2	3	4	5
43	145417	23-10-76	WESTING HOUSE ELECTRIC CORPORA TION Westinghouse bldg. Galeway centre Pit- tsbrugh, Pennsylvania 15222 USA	A method of producing homogenous sintered 2-No. non linear resistors, sintered resistor body obtained thereby and lightening arrestor containing the same.
44	145432	23-2-77	MUSBA MOHAMED ANSAR, 73 Angappa Naicken Street, Madras 600 001 Tamil Nadu India	Imrpovements in or relating to disposable pilfer proof bags of containers
45	145433	Do.	Do.	Improvements in or relating to disposlabe pilfer proof bags or containers
46	145476	20-2-76	CENTRE SIEPHANOIS DE RECHER- CHES MECANIQUES HYDROMECANI- QUE ET PROTTEMENT Zone In- dustrialle Rue, Denoit, Fourneyron, Andre- zieux Boutheon (Loire) France	Continuous transport system
47	145478	24-11-76	LONE STAR STEEL COMPANY 2200 W. Mockingbird dellas Texas 75235 USA	Process for obtaining pollutant material from gas streams and an apparatus therefor
48	145490	17-3-77	G. D. SOCIETA PER AZIONI Via Pomponia 10 Bologna Italy	Device for putting the inner foil wrapper with the lengths long ends over are of the larger faces of the bundle of cigarettes in a very high speed soft packet cigarette packer
49	145535	15-5-76	DEANE HILLSMAN 870 E1 Chorro way Sacramento California 95825 USA	An apparatus for measuring respiratory air flow a ratient and displaying it together with aptinised respiratory air flow
5 0	145582	18-12-75	MAHLE GMBH 26—46 Pragstrasse Stutt- gart Germany (W)	Reinforcing incert for piston ring grooves of pistons
51	145610	23-2-77	MUSBA MOHAMED ANSAR 73 Angappa Neicken street Madras 600001 Tami Nadu India	Improvements in or relating to disposable pilfer proof bags or containers
52	145632	25-1-77	COMBUSTION ENGINEERING INC 1000 Prospect Hill Road, Windsor Connecti-cut USA	A gas scrubber plant
53	145638	15-9-76	DRESSER INDUSTRIES INC Dresser Bldg., P. O. Box 716 Dalles Texas 75221 USA	Improved shaft support means
54	145639	12-11-76	F. L. SMIDTH & CO A/S 77 Vigerslev Alle, DK-2500 Copenhagen Valby Denmark	Tube mill
55	145641	4-12-76	WILTSHIRE CUTLERY CO PROPRIETARY Ltd 36 Albert road, South Melbourne in the state of Victoria, Australia	Knife sharpener
56	145646	18-6-75	HENRY WALLWORK & CO LTD Roger street Redbag Manchester England	Making foundry moulds
57	145684	15-6-76	SPIE-BATINGNOLLES Tour Anjou 33 Quai Mational Pusteaux-Haults-de-seine France	A device for protecting a sutreture against effect of high horizontal dynamic stresses
58	145693	22-6-77	AUTOMOTIVE PRODUCTS Teckbrook Road Lamington spa. Warwickshire CV 31, 3 CR England	Circular friction facing and method of manufacturing the same
59	145702	4-10-76	F. L. SMIDTH & CO A/S 77 Vigerslev Alle DK-2500 Valby Copenhagen Denmark	Kiln plant
60	155711	11-5-76	KRAFTWERK UNION AG 433 Mulheim (Ruhr) Wiesenstr-35 FRG	A steam generator for operation with coal firing
61	145724	25-10-76	R. A. LISTER & CO LTD Lonstreet, Dursley, Gloucestershire GL 11 4 HS, England	A liquid sealing device.
62	145726	15-12-76	THE AIR PREHEATER CO LTD Andover Road Wellsville New York USA	Rotary regenerative heat exchage apparatus
63	145744	9-10-75	MCNEIL, AKRON 96 East Crosier street, Akron Summit county, Ohio 44311 USA	Tire curring press centre mechanism
64	145753	8-11 -7 6	F. L. SMIDTH & CO A/S 77 Vigerslev Alle, DK-2500 Copenhagen Valby Denmark	A rotary kiln with an integral planetary cooler

1	2	3	4	5
65	145776	4-8-76	CCL SYSTEMS LTD Cabco House 296-304 Ewell road, Surbiton Surrey England	Swaging dies
66	145780	14-1-77	CUSTAV SCHADEMASCHINEN FABRICK GMBH & CO D-4600 Dortund AM Rosenplatzchen 120 FRG	Apparatus for removing bulk material from a dump or stockpile
67	145790	26-11-76	COMBUSTION ENGINEERING INC 1000 Prospect Hill road, Windsor Connecticut USA	Dual gas shielding in arc welding
68	145798	27-5-77	J.C. KAPOOR Kapoor solar farms, Gurgaon Najafgarh P. O. Kapas hera, New Delhi-110- 037	An integrated unit for the collection, sto- rage, distribution of solar energy for specc heating and other applications
69	145810	19-10-77	ICI Limited of Imperial Chemial House, Hill Bank, London, S W. 1 P. 3 JF	Explosive fuse cord method and apparatus for manufacturing the same.
70	145818	16-8-76	UNITED TECHNOLOGIES 1, Financial Plaza, Hart Ford, Connecticut, 06101, USA	Process for preparing a thermally protected super alloy sturcture. :
71	145825	22-5-76	LACREX BREVETTI SA Via G. Mottta 6648 Minusio, Switzerland.	Manually operated adjustable/slidable universal wrench.
72	145830	21-5-76	SINGLE BUOY MOORINGS INCl Fribourg 12, Rue Abbovet Switzerlandi	Single point mooring buoy.
73	145841	19-11-75	UNITED KINGDOM ATOMIC ENERGY AUTHORITY 11, Charles II Street, London	Improvement in or relating to stirling cycl heat engines
74	145844	4-11-76	COLIN DOUGLAS WEST Aughton, Farindon Road, East Challow, Wantage, Oxfordshire, England	Improvements in or relating to stirling cycle engines.

RENEWAL FEES PAID

CEASSATION OF PATENTS

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127380 127646	128190	128195	135462	135464	135565	135577	123117	123128	123130	123139	12
135868 135883	135928	13:5929	136014	136093	136120	136395	123168	123171	123176	123177	12
136407 136729	137035	137130	137355	137476	137511	137625	123208	123215	123217	123220	12
137832 137933	137983	138037	138249	138284	138327	138328	123244	123252	123261	123262	12
138341 138432	138433	138445	138446	138458	138501	138520	123296	123301	123306	123307	12
138720 138763	138866	139113	139150	139217	139255	139303	123332	123341	123348	123355	12
139309 139310	139326	139448	139523	139617	139734	139744	123377	123385	123404	123414	12
139855 139870							123442	123453	123454	123461	12
140085 140163							123486	123491	123495	123496	12
140942 141082							123509	123511	123514	123522	123
141867 141868							123343	123557	123569	123579	12
142604 142679	142733	142997	143055	143147	143359	143434	122646	123622	123630	123636	12
143556 143620	143762	143764	143813	144023	144095	144100	123040	122600	123657	123670	12
144102 144146	144505	144526	144744	144838	144888	144893	123093	143099	123/00	123708	12
1444919 145014	145065	145087	145101	145222	145245	145255	123722	123/2/	123732	123733	12
145310 145347	145373	145440	145477	145539	145616	145638	123815	172025	123//5	123773	12
145757 145774	145889	145947	145993	146006	146209	146245	123870	123033	123838	123839	12
146353 146360	146467	146480	146483	146487	146561	146581	123889	123070	122002	123880	12
146661 146704	146734	146768	146737	146936	146974	147225	123914	123071	122026	123894	12
147327 147665	147865	148002	148044	148128	148225	148237	123980	123981	123925	123923	12
148253 148311	148433	148489	148490	148522	148713	148725	124015	124018	123993	123996	12.
148736 148753	148839	148932	148985	149071	149226	149253	124044	124045	124019	124023	12
149328 149337	1495/8	149653	149841	149889	149987	150015	124065	124074	124043	124031	124
150016 150083	151050	150099	150149	150150	150218	150539	124114	124131	124132	124082	12
150760 150811	151470	1510/8	151136	151199	151275	151346	1441/8	124181	124197	121105	10
151436 151440	1314/9	151422	151515	151555	151563	151565	124214	124219	124220	124221	10
151602 151684	152622	15218/	152553	152425	152437	152566	144436	124237	124232	124220	4.0
152602 152608	152034	152033	152100	152693	152698	152966	1242/3	124287	124289	12/201	10
152970 152985	133020	133021	155108	154677			124335	124342	124343	1942 <i>4</i> 0	124

CANCELLATION PROCEEDINGS (SECTION 51A)

(1)

An application made by Compact for cancellation of the Registration of Design No(s) 153637 in the Class 3 in the name of Frederick and Geoffrey Industries has been filed.

(2)

An application made by Bharat Foundry & Machine Works for cancellation of the Registration of Design No.(s) 153888 in class 3 in the name of Anant Plastic Industries has been filed.

(3)

An application made by Crystal Plastics and Metallizing Private Limited for cancellation of the Registration of Design No.(s) 154062 in the class 3 in the name of Plastella has been filed.

(4)

An application made by Shree Krishnakeshav Laboratories Ltd. for cancellation of the Registration of Design No.(s) 154130 in class 3 in the name of Denis Chem. Lab. Ltd. has been filed.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act. 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

- Class. 1. No. 155073. Hindustan Everest Tools Limited, Dohil Chambers 46, Nehru Place, New Delhi-110019, A Company incorporated under the Companies Act, 1956. "Diagonal Cutting Pliers". 21st November, 1984.
- Class. 1. No. 155074. Hindustan Everest Tools Limited Dohil Chambers 46, Nehru Place, New Delhi110019, A Company incorporated under the Companies Act, 1956. "Long Nose Pliers". 21st November, 1934.
- Class. 1. No. 155316. Diversified Products Corporation. of 309, Williamson Avenue, Opelika, Alabama 36803, United States of America, a corporation organised under the laws of the State of Alabama. United States of America. "A Cycle Exerciser". 22nd January, 1935.
- Class. 1. No. 15534. Pandora Electric Cycles Limited, a British Company of 45 Formans Road Sparkhill, Brimingham, West Midlands. B 11 3AR, England. "A Pannier Unit for A Cycle". Reciprocity date is 12th January, 1985. (U.K.).
- Class. 1. No. 155467. Navbharat Enterprises, 32|36 Rear Iairajbhai Lane of Bombay 400 008, State of Maharashtra, India, an Indian Partnership firm. Adjustable Window Latch'. 12th March, 1985.

- Class. 1. No. 155468. Navbharat Enterprises, 32|36 Rear Jairabhai Lane City of Bombay 400 008, State of Mahatashtra, India, an Indian Partnership firm. "Frame For Adjustable Louvers". 12th Maich, 1985.
- Class. 1 No. 155092. Drakshatapu Nagabhushana Rao, of D-11₁B-7, Moti Bagh-1, New Delhi-110021, India, an Indian national. "A Flange". 24th November, 1984.
- Class 1. No. 155093. Draksharapu Nagabhushana Rao of D-11|B-7, Moti Bagh-1, New Delhi-110021, India, an Indian national. "A Parallelopipedal Slotted Wheel". 24th November, 1984.
- Class. 1. No. 155231. Soneeka Appliances, a partnership Firm, New Delhi-110016, India, an Indian Hindu Undivided Family. "A washing machine". 1st January, 1985.
- Class. 1. No. 155208. Pressure Cooker and Appliances Ltd., F-101, Maker Tower, Cuife Parade, Bombay-400 005, Maharashtra, India, an Indian Company. Pressure Cooker". 21st December, 1984.
- Class. 1. No. 155779. Bimal Kumar Das, 10-Cl2, Balaram Bose Ghat Road, Cal-25. W.B Indian. "T. V. ANTENNA". 24th June 1985.
- Class. 3. No. 155777. Weston Electroniks Limited, 43-A, Okhla Industrial Estate, New Delhi, India. "T.V. SET". 19th June, 1985.
- Class. 3. No. 155778. Weston Electroniks Limited, 43-A, Okhla Industrial Estate, New Delhi, India. "T.V. SET". 19th June, 1985
- Class. 3. No. 155207. Innovative Surgical Products, Inc., a
 California Corporation having a place of business at 1201 E. Wakeham, Santa Ana, California92705. United States of America. "A Passive Surgical Drain". 21st December, 1984.
- Class. 3. No. 155757. Mahavir Products, 15 Sainath Industrial Estate, Balaram Patel Road No. 4. Bhayander (East), Dist. Thana, State of Maharashtra, Indian. Thermic Insulated Bottle", 3rd June, 1985.
- Class. 4. No. 154387. Gurbachan Singh Awla, trading as M's Kickapoo Company, B-70|26, Lawrence Road, Delhi-110035. "Bottle". 8th May, 1984.
- Class. 8. No. 155250. Cosmique Trading Co., a partnership firm. 191, Main Faiz Road, New Delhi, who are Indian Nationals of the above address. "Woollen Durries". 8th January, 1985.

Extn. of Copyright for the Third period of five years.

No. 143126 Class-1.

Nos. 143579, 143578, 143304, 143328, 143080, 143081. Class-3.

R. A. ACHARYA
Controller General of Patents,
Designs and Trade Marks.